

Benjamin Frey

List of Publications by Year in descending order

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187
papers

8,026
citations

44069

48
h-index

62596

80
g-index

198
all docs

198
docs citations

198
times ranked

10611
citing authors

#	ARTICLE	IF	CITATIONS
1	Aggregated neutrophil extracellular traps limit inflammation by degrading cytokines and chemokines. <i>Nature Medicine</i> , 2014, 20, 511-517.	30.7	734
2	Targeting zonulin and intestinal epithelial barrier function to prevent onset of arthritis. <i>Nature Communications</i> , 2020, 11, 1995.	12.8	253
3	Integrin $\alpha 5 \beta 1$ facilitates cancer cell invasion through enhanced contractile forces. <i>Journal of Cell Science</i> , 2011, 124, 369-383.	2.0	219
4	Old and new facts about hyperthermia-induced modulations of the immune system. <i>International Journal of Hyperthermia</i> , 2012, 28, 528-542.	2.5	206
5	12/15-Lipoxygenase Orchestrates the Clearance of Apoptotic Cells and Maintains Immunologic Tolerance. <i>Immunity</i> , 2012, 36, 834-846.	14.3	204
6	Regulatory T Cells Protect from Local and Systemic Bone Destruction in Arthritis. <i>Journal of Immunology</i> , 2010, 184, 7238-7246.	0.8	184
7	Modulation of Inflammatory Immune Reactions by Low-Dose Ionizing Radiation: Molecular Mechanisms and Clinical Application. <i>Current Medicinal Chemistry</i> , 2012, 19, 1741-1750.	2.4	164
8	Sodium Overload and Water Influx Activate the NALP3 Inflammasome. <i>Journal of Biological Chemistry</i> , 2011, 286, 35-41.	3.4	162
9	Immunomodulation by ionizing radiation—impact for design of radioimmunotherapies and for treatment of inflammatory diseases. <i>Immunological Reviews</i> , 2017, 280, 231-248.	6.0	140
10	Immune-modulating properties of ionizing radiation: rationale for the treatment of cancer by combination radiotherapy and immune checkpoint inhibitors. <i>Cancer Immunology, Immunotherapy</i> , 2016, 65, 779-786.	4.2	129
11	Induction of Abscopal Anti-Tumor Immunity and Immunogenic Tumor Cell Death by Ionizing Irradiation - Implications for Cancer Therapies. <i>Current Medicinal Chemistry</i> , 2012, 19, 1751-1764.	2.4	127
12	Phospholipids: Key Players in Apoptosis and Immune Regulation. <i>Molecules</i> , 2009, 14, 4892-4914.	3.8	126
13	Antitumor immune responses induced by ionizing irradiation and further immune stimulation. <i>Cancer Immunology, Immunotherapy</i> , 2014, 63, 29-36.	4.2	126
14	Contribution of the immune system to bystander and non-targeted effects of ionizing radiation. <i>Cancer Letters</i> , 2015, 356, 105-113.	7.2	113
15	Chemoradiation Increases PD-L1 Expression in Certain Melanoma and Glioblastoma Cells. <i>Frontiers in Immunology</i> , 2016, 7, 610.	4.8	111
16	Modern Radiotherapy Concepts and the Impact of Radiation on Immune Activation. <i>Frontiers in Oncology</i> , 2016, 6, 141.	2.8	110
17	Modulation of inflammation by low and high doses of ionizing radiation: Implications for benign and malign diseases. <i>Cancer Letters</i> , 2015, 368, 230-237.	7.2	108
18	Remnants of secondarily necrotic cells fuel inflammation in systemic lupus erythematosus. <i>Arthritis and Rheumatism</i> , 2009, 60, 1733-1742.	6.7	107

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19	The complement system drives local inflammatory tissue priming by metabolic reprogramming of synovial fibroblasts. <i>Immunity</i> , 2021, 54, 1002-1021.e10.	14.3	106
20	Low and moderate doses of ionizing radiation up to 2 Gy modulate transmigration and chemotaxis of activated macrophages, provoke an anti-inflammatory cytokine milieu, but do not impact upon viability and phagocytic function. <i>Clinical and Experimental Immunology</i> , 2014, 179, 50-61.	2.6	101
21	Immunomodulatory Properties and Molecular Effects in Inflammatory Diseases of Low-Dose X-Irradiation. <i>Frontiers in Oncology</i> , 2012, 2, 120.	2.8	97
22	Survivin Antisense Oligonucleotides Effectively Radiosensitize Colorectal Cancer Cells in Both Tissue Culture and Murine Xenograft Models. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 71, 247-255.	0.8	96
23	Immune modulatory effects of radiotherapy as basis for well-reasoned radioimmunotherapies. <i>Strahlentherapie Und Onkologie</i> , 2018, 194, 509-519.	2.0	93
24	Radiation combined with hyperthermia induces HSP70-dependent maturation of dendritic cells and release of pro-inflammatory cytokines by dendritic cells and macrophages. <i>Radiotherapy and Oncology</i> , 2011, 101, 109-115.	0.6	89
25	Hypofractionated Irradiation Has Immune Stimulatory Potential and Induces a Timely Restricted Infiltration of Immune Cells in Colon Cancer Tumors. <i>Frontiers in Immunology</i> , 2017, 8, 231.	4.8	87
26	Radio-Immunotherapy-Induced Immunogenic Cancer Cells as Basis for Induction of Systemic Anti-Tumor Immune Responses – Pre-Clinical Evidence and Ongoing Clinical Applications. <i>Frontiers in Immunology</i> , 2015, 6, 505.	4.8	86
27	Biological Rationales and Clinical Applications of Temperature Controlled Hyperthermia - Implications for Multimodal Cancer Treatments. <i>Current Medicinal Chemistry</i> , 2010, 17, 3045-3057.	2.4	80
28	The immune functions of phosphatidylserine in membranes of dying cells and microvesicles. <i>Seminars in Immunopathology</i> , 2011, 33, 497-516.	6.1	78
29	After shrinkage apoptotic cells expose internal membrane-derived epitopes on their plasma membranes. <i>Cell Death and Differentiation</i> , 2007, 14, 733-742.	11.2	77
30	Modulation of radiochemoimmunotherapy-induced B16 melanoma cell death by the pan-caspase inhibitor zVAD-fmk induces anti-tumor immunity in a HMGB1-, nucleotide- and T-cell-dependent manner. <i>Cell Death and Disease</i> , 2015, 6, e1761-e1761.	6.3	74
31	Activation of Epithelial Signal Transducer and Activator of Transcription 1 by Interleukin 28 Controls Mucosal Healing in Mice With Colitis and Is Increased in Mucosa of Patients With Inflammatory Bowel Disease. <i>Gastroenterology</i> , 2017, 153, 123-138.e8.	1.3	72
32	How Does Ionizing Irradiation Contribute to the Induction of Anti-Tumor Immunity?. <i>Frontiers in Oncology</i> , 2012, 2, 75.	2.8	71
33	Key mechanisms involved in ionizing radiation-induced systemic effects. A current review. <i>Toxicology Research</i> , 2016, 5, 12-33.	2.1	71
34	Low dose ionising radiation leads to a NF- κ B dependent decreased secretion of active IL-1 β by activated macrophages with a discontinuous dose-dependency. <i>International Journal of Radiation Biology</i> , 2012, 88, 727-734.	1.8	70
35	Genomic <i>EWSR1</i> Fusion Sequence as Highly Sensitive and Dynamic Plasma Tumor Marker in Ewing Sarcoma. <i>Clinical Cancer Research</i> , 2016, 22, 4356-4365.	7.0	68
36	Clinically Relevant Radiation Exposure Differentially Impacts Forms of Cell Death in Human Cells of the Innate and Adaptive Immune System. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3574.	4.1	68

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37	The Role of Annexin A5 in the Modulation of the Immune Response Against Dying and Dead Cells. <i>Current Medicinal Chemistry</i> , 2007, 14, 271-277.	2.4	67
38	Inflammatory clearance of apoptotic remnants in systemic lupus erythematosus (SLE). <i>Autoimmunity Reviews</i> , 2008, 8, 9-12.	5.8	66
39	Norm- and hypo-fractionated radiotherapy is capable of activating human dendritic cells. <i>Journal of Immunotoxicology</i> , 2014, 11, 328-336.	1.7	65
40	Kill and spread the word: stimulation of antitumor immune responses in the context of radiotherapy. <i>Immunotherapy</i> , 2014, 6, 597-610.	2.0	63
41	Fractionated radiotherapy is the main stimulus for the induction of cell death and of Hsp70 release of p53 mutated glioblastoma cell lines. <i>Radiation Oncology</i> , 2014, 9, 89.	2.7	63
42	Development of a Modular Assay for Detailed Immunophenotyping of Peripheral Human Whole Blood Samples by Multicolor Flow Cytometry. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1316.	4.1	63
43	Cells Under Pressure – Treatment of Eukaryotic Cells with High Hydrostatic Pressure, from Physiologic Aspects to Pressure Induced Cell Death. <i>Current Medicinal Chemistry</i> , 2008, 15, 2329-2336.	2.4	58
44	Combination of ionising radiation with hyperthermia increases the immunogenic potential of B16-F10 melanoma cells <i>in vitro</i> and <i>in vivo</i> . <i>International Journal of Hyperthermia</i> , 2016, 32, 23-30.	2.5	57
45	Application of hyperthermia in addition to ionizing irradiation fosters necrotic cell death and HMGB1 release of colorectal tumor cells. <i>Biochemical and Biophysical Research Communications</i> , 2010, 391, 1014-1020.	2.1	53
46	Myeloperoxidase Modulates Inflammation in Generalized Pustular Psoriasis and Additional Rare Pustular Skin Diseases. <i>American Journal of Human Genetics</i> , 2020, 107, 527-538.	6.2	53
47	Lectins detect changes of the glycosylation status of plasma membrane constituents during late apoptosis. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2006, 69A, 230-239.	1.5	52
48	Combination of Ionising Irradiation and Hyperthermia Activates Programmed Apoptotic and Necrotic Cell Death Pathways in Human Colorectal Carcinoma Cells. <i>Strahlentherapie Und Onkologie</i> , 2010, 186, 587-599.	2.0	52
49	Oxidation of the alarmin high-mobility group box 1 protein (HMGB1) during apoptosis. <i>Autoimmunity</i> , 2009, 42, 305-307.	2.6	51
50	Safety and efficacy of single cycle induction treatment with cisplatin/docetaxel/durvalumab/tremelimumab in locally advanced HNSCC: first results of CheckRad-CD8. , 2020, 8, e001378.		51
51	Modulation of the peripheral immune system after low-dose radon spa therapy: Detailed longitudinal immune monitoring of patients within the RAD-ON01 study. <i>Autoimmunity</i> , 2017, 50, 133-140.	2.6	50
52	Rare Loss-of-Function Mutation in SERPINA3 in Generalized Pustular Psoriasis. <i>Journal of Investigative Dermatology</i> , 2020, 140, 1451-1455.e13.	0.7	48
53	Radiomics to predict outcomes and abscopal response of patients with cancer treated with immunotherapy combined with radiotherapy using a validated signature of CD8 cells. , 2020, 8, e001429.		46
54	Identification of Novel Binding Partners (Annexins) for the Cell Death Signal Phosphatidylserine and Definition of Their Recognition Motif. <i>Journal of Biological Chemistry</i> , 2011, 286, 5708-5716.	3.4	45

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55	Discontinuous induction of X-linked inhibitor of apoptosis in EA.hy.926 endothelial cells is linked to NF- κ B activation and mediates the anti-inflammatory properties of low-dose ionising-radiation. <i>Radiotherapy and Oncology</i> , 2010, 97, 346-351.	0.6	44
56	AnnexinA5 renders dead tumor cells immunogenicâ€™implications for multimodal cancer therapies. <i>Journal of Immunotoxicology</i> , 2009, 6, 209-216.	1.7	43
57	Calcium Channel Blocker Verapamil Enhances Reticulum Stress and Death Induced by Proteasome Inhibition in Myeloma Cells. <i>Neoplasia</i> , 2010, 12, 550-IN3.	5.3	43
58	Radon Exposureâ€™Therapeutic Effect and Cancer Risk. <i>International Journal of Molecular Sciences</i> , 2021, 22, 316.	4.1	43
59	Insights into the Infiltrative Behavior of Adamantinomatous Craniopharyngioma in a New Xenotransplant Mouse Model. <i>Brain Pathology</i> , 2015, 25, 1-10.	4.1	42
60	The Erlangen Dose Optimization trial for low-dose radiotherapy of benign painful elbow syndrome. <i>Strahlentherapie Und Onkologie</i> , 2014, 190, 293-297.	2.0	41
61	The Influence of Radiation on Bone and Bone Cellsâ€™Differential Effects on Osteoclasts and Osteoblasts. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6377.	4.1	40
62	Combined treatment of human colorectal tumor cell lines with chemotherapeutic agents and ionizing irradiation can <i>in vitro</i> induce tumor cell death forms with immunogenic potential. <i>Journal of Immunotoxicology</i> , 2012, 9, 301-313.	1.7	39
63	Immune biological rationales for the design of combined radio- and immunotherapies. <i>Cancer Immunology, Immunotherapy</i> , 2020, 69, 293-306.	4.2	39
64	Whole body low dose irradiation improves the course of beginning polyarthritis in human TNF-transgenic mice. <i>Autoimmunity</i> , 2009, 42, 346-348.	2.6	38
65	The Erlangen Dose Optimization Trial for radiotherapy of benign painful shoulder syndrome. <i>Strahlentherapie Und Onkologie</i> , 2014, 190, 394-398.	2.0	38
66	Radiotherapy for benign calcaneodynia. <i>Strahlentherapie Und Onkologie</i> , 2014, 190, 671-675.	2.0	38
67	High hydrostatic pressure treatment generates inactivated mammalian tumor cells with immunogenic features. <i>Journal of Immunotoxicology</i> , 2010, 7, 194-204.	1.7	37
68	Low-Dose Radiotherapy Ameliorates Advanced Arthritis in hTNF- α tg Mice by Particularly Positively Impacting on Bone Metabolism. <i>Frontiers in Immunology</i> , 2018, 9, 1834.	4.8	37
69	Prospective development and validation of a liquid immune profile-based signature (LIPS) to predict response of patients with recurrent/metastatic cancer to immune checkpoint inhibitors. , 2021, 9, e001845.		36
70	Microscopy under pressureâ€™An optical chamber system for fluorescence microscopic analysis of living cells under high hydrostatic pressure. <i>Microscopy Research and Technique</i> , 2006, 69, 65-72.	2.2	35
71	Primary glioblastoma multiforme tumors and recurrence. <i>Strahlentherapie Und Onkologie</i> , 2016, 192, 146-155.	2.0	34
72	Editorial: Radiation and the Immune System: Current Knowledge and Future Perspectives. <i>Frontiers in Immunology</i> , 2017, 8, 1933.	4.8	34

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73	Radiotherapy for calcaneodynia. <i>Strahlentherapie Und Onkologie</i> , 2013, 189, 329-334.	2.0	33
74	Radiotherapy-Induced Changes in the Systemic Immune and Inflammation Parameters of Head and Neck Cancer Patients. <i>Cancers</i> , 2019, 11, 1324.	3.7	32
75	Low-dose radiotherapy: Mayday, mayday. Weâ€™ve been hit!. <i>Strahlentherapie Und Onkologie</i> , 2019, 195, 285-288.	2.0	32
76	Combinations of Radiotherapy with Vaccination and Immune Checkpoint Inhibition Differently Affect Primary and Abscopal Tumor Growth and the Tumor Microenvironment. <i>Cancers</i> , 2021, 13, 714.	3.7	32
77	Radiotherapy for achillodynia. <i>Strahlentherapie Und Onkologie</i> , 2013, 189, 142-146.	2.0	31
78	The dual role of NK cells in antitumor reactions triggered by ionizing radiation in combination with hyperthermia. <i>Oncolmmunology</i> , 2016, 5, e1101206.	4.6	31
79	Combination of Gas Plasma and Radiotherapy Has Immunostimulatory Potential and Additive Toxicity in Murine Melanoma Cells in Vitro. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1379.	4.1	31
80	Activation-induced cell death and total Akt content of granulocytes show a biphasic course after low-dose radiation. <i>Autoimmunity</i> , 2009, 42, 340-342.	2.6	29
81	Decrease of Markers Related to Bone Erosion in Serum of Patients with Musculoskeletal Disorders after Serial Low-Dose Radon Spa Therapy. <i>Frontiers in Immunology</i> , 2017, 8, 882.	4.8	29
82	FSRT vs. SRS in Brain Metastasesâ€”Differences in Local Control and Radiation Necrosisâ€”A Volumetric Study. <i>Frontiers in Oncology</i> , 2020, 10, 559193.	2.8	29
83	The GTPase RAB20 is a HIF target with mitochondrial localization mediating apoptosis in hypoxia. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2011, 1813, 1-13.	4.1	28
84	Modulation of the immune system by dying cells and the phosphatidylserine-ligand annexin A5. <i>Autoimmunity</i> , 2007, 40, 254-259.	2.6	27
85	Activator protein 1 shows a biphasic induction and transcriptional activity after low dose X-irradiation in EA.hy.926 endothelial cells. <i>Autoimmunity</i> , 2009, 42, 343-345.	2.6	26
86	Benign painful elbow syndrome. <i>Strahlentherapie Und Onkologie</i> , 2012, 188, 873-877.	2.0	26
87	UVB-irradiated apoptotic cells induce accelerated growth of co-implanted viable tumor cells in immune competent mice. <i>Autoimmunity</i> , 2013, 46, 317-322.	2.6	26
88	Reduced secretion of the inflammatory cytokine IL-1 β by stimulated peritoneal macrophages of radiosensitive Balb/c mice after exposure to 0.5 or 0.7Gy of ionizing radiation. <i>Autoimmunity</i> , 2013, 46, 323-328.	2.6	26
89	Basics of Radiation Biology When Treating Hyperproliferative Benign Diseases. <i>Frontiers in Immunology</i> , 2017, 8, 519.	4.8	26
90	The immune reaction against allogeneic necrotic cells is reduced in Annexin A5 knock out mice whose macrophages display an anti-inflammatory phenotype. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 1391-1399.	3.6	25

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91	<i>Ex vivo</i> and <i>in vivo</i> induced dead tumor cells as modulators of antitumor responses. Annals of the New York Academy of Sciences, 2010, 1209, 109-117.	3.8	25
92	Identification of 15 lncRNAs Signature for Predicting Survival Benefit of Advanced Melanoma Patients Treated with Anti-PD-1 Monotherapy. Cells, 2021, 10, 977.	4.1	25
93	Induction of tumor cell death by high hydrostatic pressure as a novel supporting technique in orthopedic surgery. Oncology Reports, 2003, 10, 1851-5.	2.6	25
94	A novel HSP90 inhibitor with reduced hepatotoxicity synergizes with radiotherapy to induce apoptosis, abrogate clonogenic survival, and improve tumor control in models of colorectal cancer. Oncotarget, 2016, 7, 43199-43219.	1.8	24
95	Interconnection between DNA damage senescence inflammation and cancer. Frontiers in Bioscience - Landmark, 2017, 22, 348-369.	3.0	24
96	Low-Dose Radiotherapy Has No Harmful Effects on Key Cells of Healthy Non-Inflamed Joints. International Journal of Molecular Sciences, 2018, 19, 3197.	4.1	24
97	Low-Dose Irradiation Differentially Impacts Macrophage Phenotype in Dependence of Fibroblast-Like Synoviocytes and Radiation Dose. Journal of Immunology Research, 2019, 2019, 1-11.	2.2	24
98	Selected anti-tumor vaccines merit a place in multimodal tumor therapies. Frontiers in Oncology, 2012, 2, 132.	2.8	23
99	Prospective evaluation of the prognostic value of immune-related adverse events in patients with non-melanoma solid tumour treated with PD-1/PD-L1 inhibitors alone and in combination with radiotherapy. European Journal of Cancer, 2020, 140, 55-62.	2.8	23
100	Differences of the Immune Phenotype of Breast Cancer Cells after Ex Vivo Hyperthermia by Warm-Water or Microwave Radiation in a Closed-Loop System Alone or in Combination with Radiotherapy. Cancers, 2020, 12, 1082.	3.7	23
101	Induction chemoimmunotherapy followed by CD8+ immune cell-based patient selection for chemotherapy-free radioimmunotherapy in locally advanced head and neck cancer. , 2022, 10, e003747.		23
102	Hyperthermia in combination with X-irradiation induces inflammatory forms of cell death. Autoimmunity, 2009, 42, 311-313.	2.6	22
103	Benign painful shoulder syndrome. Strahlentherapie Und Onkologie, 2012, 188, 1108-1113.	2.0	22
104	Radiotherapy for benign achillodynia. Strahlentherapie Und Onkologie, 2015, 191, 979-984.	2.0	22
105	Impact of radon and combinatory radon/carbon dioxide spa on pain and hypertension: Results from the explorative RAD-ON01 study. Modern Rheumatology, 2019, 29, 165-172.	1.8	22
106	Upregulation of CCR4 in activated CD8⁺ T cells indicates enhanced lung homing in patients with severe acute SARS-CoV-2 infection. European Journal of Immunology, 2021, 51, 1436-1448.	2.9	22
107	Frequent occurrence of therapeutically reversible CMV-associated encephalopathy during radiotherapy of the brain. Neuro-Oncology, 2016, 18, 1664-1672.	1.2	21
108	Targeting of drug-loaded nanoparticles to tumor sites increases cell death and release of danger signals. Journal of Controlled Release, 2018, 285, 67-80.	9.9	19

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109	Low Dose Radiation Therapy, Particularly with 0.5 Gy, Improves Pain in Degenerative Joint Disease of the Fingers: Results of a Retrospective Analysis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5854.	4.1	19
110	Olanzapine combined with 5-hydroxytryptamine type 3 receptor antagonist (5-HT ₃ RA) plus dexamethasone for prevention and treatment of chemotherapy-induced nausea and vomiting in high and moderate emetogenic chemotherapy: a systematic review and meta-analysis of randomised controlled trials. <i>ESMO Open</i> , 2020, 5, e000621.	4.5	18
111	Modulations in the Peripheral Immune System of Glioblastoma Patient Is Connected to Therapy and Tumor Progression—A Case Report from the IMMO-GLIO-01 Trial. <i>Frontiers in Neurology</i> , 2017, 8, 296.	2.4	17
112	Defining Metaniches in the Oral Cavity According to Their Microbial Composition and Cytokine Profile. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8218.	4.1	17
113	Sweet clearance: Involvement of cell surface glycans in the recognition of apoptotic cells. <i>Autoimmunity</i> , 2007, 40, 345-348.	2.6	16
114	Proteasome inhibition aggravates tumor necrosis factor-mediated bone resorption in a mouse model of inflammatory arthritis. <i>Arthritis and Rheumatism</i> , 2011, 63, 670-680.	6.7	16
115	Radio-immunotherapy: the focused beam expands. <i>Lancet Oncology</i> , The, 2015, 16, 742-743.	10.7	16
116	Temporarily increased TGF β 2 following radon spa correlates with reduced pain while serum IL-18 is a general predictive marker for pain sensitivity. <i>Radiation and Environmental Biophysics</i> , 2019, 58, 129-135.	1.4	16
117	Graphene Oxide Nanosheets for Localized Hyperthermia—Physicochemical Characterization, Biocompatibility, and Induction of Tumor Cell Death. <i>Cells</i> , 2020, 9, 776.	4.1	16
118	Photopheresis with UV-A light and 8-methoxypsoralen leads to cell death and to release of blebs with anti-inflammatory phenotype in activated and non-activated lymphocytes. <i>Biochemical and Biophysical Research Communications</i> , 2009, 386, 71-76.	2.1	15
119	One-Tube Multicolor Flow Cytometry Assay (OTMA) for Comprehensive Immunophenotyping of Peripheral Blood. <i>Methods in Molecular Biology</i> , 2019, 1904, 189-212.	0.9	15
120	Intra- and Early Postoperative Evaluation of Malperfused Areas in an Irradiated Random Pattern Skin Flap Model Using Indocyanine Green Angiography and Near-Infrared Reflectance-Based Imaging and Infrared Thermography. <i>Journal of Personalized Medicine</i> , 2022, 12, 237.	2.5	15
121	The in vitro immunogenic potential of caspase-3 proficient breast cancer cells with basal low immunogenicity is increased by hypofractionated irradiation. <i>Radiation Oncology</i> , 2015, 10, 197.	2.7	14
122	Tumor Cell-Based Vaccine Generated With High Hydrostatic Pressure Synergizes With Radiotherapy by Generating a Favorable Anti-tumor Immune Microenvironment. <i>Frontiers in Oncology</i> , 2019, 9, 805.	2.8	14
123	Prospective Evaluation of All-lesion Versus Single-lesion Radiotherapy in Combination With PD-1/PD-L1 Immune Checkpoint Inhibitors. <i>Frontiers in Oncology</i> , 2020, 10, 576643.	2.8	13
124	Early Mortality of Brain Cancer Patients and its Connection to Cytomegalovirus Reactivation During Radiochemotherapy. <i>Clinical Cancer Research</i> , 2020, 26, 3259-3270.	7.0	13
125	Volumetric Regression in Brain Metastases After Stereotactic Radiotherapy: Time Course, Predictors, and Significance. <i>Frontiers in Oncology</i> , 2020, 10, 590980.	2.8	13
126	Oligometastatic head and neck cancer: Which patients benefit from radical local treatment of all tumour sites?. <i>Radiation Oncology</i> , 2021, 16, 62.	2.7	13

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127	Graphene-Induced Hyperthermia (GIHT) Combined With Radiotherapy Fosters Immunogenic Cell Death. <i>Frontiers in Oncology</i> , 2021, 11, 664615.	2.8	13
128	The Effect of Hyperthermia and Radiotherapy Sequence on Cancer Cell Death and the Immune Phenotype of Breast Cancer Cells. <i>Cancers</i> , 2022, 14, 2050.	3.7	13
129	Ionizing radiation reduces the capacity of activated macrophages to induce T-cell proliferation, but does not trigger dendritic cell-mediated non-targeted effects. <i>International Journal of Radiation Biology</i> , 2019, 95, 33-43.	1.8	12
130	Systemic modulation of stress and immune parameters in patients treated for prostate adenocarcinoma by intensity-modulated radiation therapy or stereotactic ablative body radiotherapy. <i>Strahlentherapie Und Onkologie</i> , 2020, 196, 1018-1033.	2.0	12
131	Implementation of Double Immune Checkpoint Blockade Increases Response Rate to Induction Chemotherapy in Head and Neck Cancer. <i>Cancers</i> , 2021, 13, 1959.	3.7	11
132	Analysis of the immune status from peripheral whole blood with a single-tube multicolor flow cytometry assay. <i>Methods in Enzymology</i> , 2020, 632, 389-415.	1.0	10
133	Primary results of the phase II CheckRad-CD8 trial: First-line treatment of locally advanced head and neck squamous cell carcinoma (HNSCC) with double checkpoint blockade and radiotherapy dependent on intratumoral CD8+ T-cell infiltration.. <i>Journal of Clinical Oncology</i> , 2021, 39, 6007-6007.	1.6	10
134	Hypofractionated Radiotherapy Upregulates Several Immune Checkpoint Molecules in Head and Neck Squamous Cell Carcinoma Cells Independently of the HPV Status While ICOS-L Is Upregulated Only on HPV-Positive Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9114.	4.1	10
135	Deep learning for brain metastasis detection and segmentation in longitudinal MRI data. <i>Medical Physics</i> , 2022, 49, 5773-5786.	3.0	10
136	Drug priming enhances radiosensitivity of adamantinomatous craniopharyngioma via downregulation of survivin. <i>Neurosurgical Focus</i> , 2016, 41, E14.	2.3	9
137	Cancer Cell Death-Inducing Radiotherapy: Impact on Local Tumour Control, Tumour Cell Proliferation and Induction of Systemic Anti-tumour Immunity. <i>Advances in Experimental Medicine and Biology</i> , 2016, 930, 151-172.	1.6	9
138	Full Length Interleukin 33 Aggravates Radiation-Induced Skin Reaction. <i>Frontiers in Immunology</i> , 2017, 8, 722.	4.8	9
139	Questionnaire-based detection of immune-related adverse events in cancer patients treated with PD-1/PD-L1 immune checkpoint inhibitors. <i>BMC Cancer</i> , 2021, 21, 314.	2.6	9
140	Predictive Value of Multiparametric MRI for Response to Single-Cycle Induction Chemo-Immunotherapy in Locally Advanced Head and Neck Squamous Cell Carcinoma. <i>Frontiers in Oncology</i> , 2021, 11, 734872.	2.8	9
141	Peer review analysis in the field of radiation oncology: results from a web-based survey of the Young DEGRO working group. <i>Strahlentherapie Und Onkologie</i> , 2021, 197, 667-673.	2.0	9
142	In Vitro Examinations of Cell Death Induction and the Immune Phenotype of Cancer Cells Following Radiative-Based Hyperthermia with 915 MHz in Combination with Radiotherapy. <i>Cells</i> , 2021, 10, 1436.	4.1	8
143	Low Dose Radiation Therapy Induces Long-Lasting Reduction of Pain and Immune Modulations in the Peripheral Blood – Interim Analysis of the IMMO-LDRT01 Trial. <i>Frontiers in Immunology</i> , 2021, 12, 740742.	4.8	8
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